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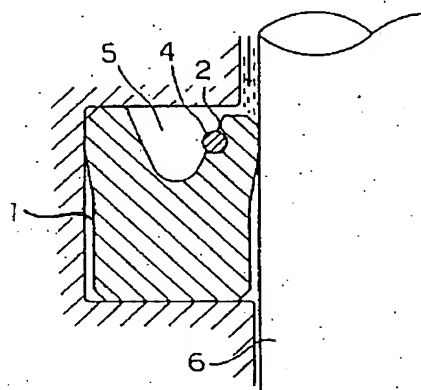
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PATENT ABSTRACTS OF JAPAN

(11) Publication number: **60168970 A**(43) Date of publication of application: **02.09.85**(51) Int. Cl. **F16J 15/32**(21) Application number: **59023666**(71) Applicant: **CHUGOKU GOMME KOGYO KK**(22) Date of filing: **10.02.84**(72) Inventor: **SATO SEIJI****(54) PACKING HAVING LIP IN UTILIZATION OF SHAPE MEMORY ALLOY****(57) Abstract:**

PURPOSE: To facilitate insertion of a packing and improve sealing effect by installing a shape memory alloy ring into which the shape for developing sealing effect is memorized previously, onto a lip.

CONSTITUTION: In order to install a shape memory alloy ring 4 made of Ti-Ni alloy having a reverse-transformation temperature of about 70°C onto a lip, the inside diameter of said ring 4 is expanded by about 1% or more at a room temperature and then fitted. A packing 1 having the ring 4 installed is accommodated into a sealing groove 5, and a rod 6 having an outside diameter of 90mm is inserted. When the temperature of the fluid to be sealed is raised and the ring 4 is put into the reverse-transformation temperature or more, the inside diameter of the ring tends to contract to a memorized shape, and the packing 1 develops its sealing function effectively.



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